

What is claimed is:

1. A reinforcement grid for bituminous layers, in particular for bitumen-containing road surfaces, comprising intersecting strands (1,2; 1',2'; 1'',2'') made of a synthetic material, characterized in that the strands (1,2; 1',2'; 1'',2'') made of a synthetic material have a ductile  
5 yield between 3% and 8%.
2. The reinforcement grid as recited in Claim 1, characterized in that the ductile yield of the strands (1,2; 1',2'; 1'',2'') is between 5% and 6%.
3. The reinforcement grid as recited in Claim 1 or 2, characterized in that the force absorbed by the strands (1,2; 1',2'; 1'',2'') increases into the range  
10 of the ductile yield, essentially in proportion to the value of the strain of the strands (1,2; 1',2'; 1'',2'').
4. The reinforcement grid as recited in one of the preceding claims, characterized in that the strands (1,2; 1',2'; 1'',2'') are made of a high-strength polyvinyl alcohol (PVA).
- 15 5. The reinforcement grid as recited in one of the preceding claims, characterized in that the strands (1,2; 1',2'; 1'',2'') are each made of at least one high-strength yarn.
6. The reinforcement grid as recited in Claim 5, characterized in that the yarns are woven together.
- 20 7. The reinforcement grid as recited in one of the preceding claims, characterized in that two intersecting strands (1',2') are bound together by binding threads.
8. The reinforcement grid as recited in one of the preceding claims, characterized in that it is coated with an adhesive having an affinity for bitumen.

9. The reinforcement grid as recited in one of the preceding claims, characterized in that it is bound to a backing layer, in particular a nonwoven backing 4 impregnated with bitumen.